

SUPPRESSED SCIENCE & TECHNOLOGY

THE PATENT GRANTED TO NEW JERSEY RESIDENT FRANCISCO PACHECO, FOR HIS UNIQUE HYDROGEN ENERGY SYSTEM COULD HAVE WORLD CHANGING IMPLICATIONS.

BUT IT SEEMS THAT THIS POTENTIAL SOLUTION TO GLOBAL ENERGY AND POLLUTION PROBLEMS IS DESTINED TO REMAIN HUSHED UP.

THIS IS THE FIRST IN A SERIES OF ARTICLES COVERING UNDERGROUND SCIENTIFIC RESEARCH - THE INVENTORS AND THEIR INVENTIONS THAT SOMEHOW REMAIN IN THE DARK.

by Karin Westdyk

AWARE

American Women's Association for renewable Energy
P.O.B. U, Hewitt, NJ 07421 USA
Tel: 201 728 2593, Fax: 201 728 2597

Francisco Pacheco of Hewitt, New Jersey has just received a new patent (# 5,089,107) for his invention which could revolutionise the field of energy.

The Pacheco Bi-Polar Autoelectrolytic Hydrogen Generator is a unique system which separates hydrogen from seawater (the element's natural storage tank) as it is needed for use. The patent teaches the on demand autoelectrolytic separation of 99.98% pure hydrogen from seawater at both electrodes of the generator, and the simultaneous use of the hydrogen's carried energy.

Research and development of hydrogen as an energy source, till now, has been blocked by several factors:

1) It is an extremely volatile element and subject to explosion as happened in the tragic Hindenberg accident and the Challenger;

2) The existing highly pressurised, cryogenic and hydride systems available for storing it are very expensive, cumbersome, and dangerous (there is no need for storage with the Pacheco system);

3) The United States Department of Energy is not interested in promoting or developing new energy sources that compete with the powerful energy monopolies now in place.

Hydrogen is the cleanest burning fuel. When burned, its waste is clean water vapour which can either be recycled back into the system for reuse, or safely released into the environment and returned to the oceans, lakes and rivers - no greenhouse gasses, no atomic pollution, no acid rain, no crippling dependencies on foreign oil, no expensive transportation, or power lines.

The oxides of the two metals used in the system which produce hydrogen at both electrodes are also recyclable (with a minimal 0.25% loss). The metals can be produced for use in the system from existing scrap metals actively seeking markets. The infrastructure necessary to develop this clean, safe, and efficient alternative energy source is already in place.

Pacheco has built prototypes which have successfully fuelled a car, a motorcycle, a lawn mower, a torch, and a boat (with the ocean serving as its inexhaustible fuel tank). Another prototype system in demonstration energised an entire home in West Milford, providing electric energy and fuel for cooking and heating. In addition, Mr. Pacheco demonstrated his generator to the scientific community at the 1990 Eighth Annual International Hydrogen Energy Conference where he was the only exhibitor actually producing hydrogen. His generator was also exhibited in Canada at the 1990 Green Energy Conference, and at many other notable conferences where he received several awards for his work.

HISTORY OF THE GENERATOR

As a young man in his native country Bolivia, Pacheco was fascinated with the idea of developing a super battery. While experimenting in his makeshift laboratory, he lit a match and the bubbles forming in one of the beakers ignited and blew a hole in the ceiling.

He knew that he had made a discovery but was not sure what he had discovered. He abandoned his work with the battery and proceeded to develop his hydrogen.

In 1943, while on a Good Will Tour of South America, the Vice President of the United States witnessed his generator running an automobile. Wallace invited him to bring the generator to Washington where, later in that year, he demonstrated it to scientists and representatives from the U.S. War Department at the Bureau of Standards. He applied for a patent, but because the United States was at war, all patents were sealed and available only to the military. Later, his lawyers advised him to shelve his patents because, at that time, oil was plentiful and cheap and there was no need to develop an alternative source of energy.

Pacheco became a U.S. citizen and brought his family to his newly adopted country, knowing that one day, the time would be right for his invention. He worked in defence plants during the war, and then, until retirement, as a heating engineer in New York City. He discovered the beauty of West Milford while on a family outing and returned for vacations whenever he could. In 1967, he moved with his family to West Milford and has made his home here since.

During the oil shortage in the '70's, Pacheco decided it was time to apply for his patent again and received a U.S. and several foreign patents. But, he soon learned that neither the energy industries, the heavily subsidised utilities, nor the Department of Energy were interested in developing clean, abundant, safe energy from hydrogen.

Determined to bring his invention to the people, he built prototypes and demonstration models to show government and industry officials. Many came and saw, said they were impressed, promised to help, but none ever did. In 1974, with the hopes of acquiring government backing, Pacheco demonstrated his pollution free hydrogen fuel cell to Congressman Robert Roe, who today speaks often of the wonders of hydrogen fuel. With no outside power source, the self-taught chemical engineer connected the fuel cell to an alternator unit with a 3hp, 1,000 watt generator with a 4 stroke engine. The demonstration was a success and the excited Congressman promised to bring it to the attention of Washington officials. Upon leaving Roe's Paterson office, Pacheco invited him to participate in another demonstration at the Jersey Shore. Roe was invited to take part in a history making voyage, the first power boat ride, "fuelled by seawater." Many newspapers were invited as well. But, Roe never showed up, nor did very many newspapers. Pacheco never heard from the Congressman again, but his voyage was great success. History was made on July 27th, 1974 when a 26 foot in-board power boat ran for nine hours using the Pacheco Generator and seawater for fuel, putting back into the ocean as its waste, clean water.

In an effort to overcome the scepticism he was facing and the Ph.D he could not add to his name, Pacheco had his invention analysed by several independent laboratories. It passed all tests but when he tried to introduce it to the automobile industry and the oil companies, the response was either cool or non-existent. After a 2 hour meeting with one of the oil companies, he was told that developing the generator would be against their interests.

In 1977, Pacheco built a prototype unit which provided hydrogen, electric and thermal energy for a 1,000sq.ft. home in West Milford. The New Jersey Commissioner of Energy, and several of his staff members came to see and were impressed. The Commissioner wrote a letter of recommendation to the Department of Energy, but again nothing happened.

In an effort to bring the generator to the public's attention, Pacheco contacted Geraldo Rivera who expressed great interest after he had read about the power boat demonstration. Rivera wanted to do a TV

show about the generator, but the idea was axed by the station.

It was during this time that Pacheco received some recognition for his work at the International Inventor's Exposition. He was the recipient of a plaque and award from the Commissioner of the Patent Department and 2 consecutive Hall of Fame awards from the Inventor's Club of America in 1978 and 1979.

In 1980, Pacheco was contacted by 60 Minutes who promised to help him show his invention to millions of Americans. The 60 Minutes crew arrived in West Milford and taped the generator producing hydrogen fuel for a bunsen burner, and for a torch which cut through a 3/4" thick steel plate (indoors). The hydrogen gas inflated a balloon, and produced energy to run an electric motor. The last of his demonstrations involved running a lawnmower with the fuel. Because he was going to be on television, at the last minute, he decided to buy a new one, and did not have time to test it out. The engine choked due to the excessive amount of gas being produced but the 60 Minutes crew assured him that they had enough material to present an entire show with the successful demonstrations. Later when the show was aired, Pacheco was devastated, as the show had a completely different focus. The only demonstration aired was the lawn mower, and it was used to provide an example of an independent inventor's non-working invention.

In 1986, with increasing concerns about the environment, Pacheco wrote to the Department of Energy about the generator but received only a fact sheet in response which provided information on the drawbacks of hydrogen fuel based on the problems of storing it in liquid or gas form. He wrote back explaining that with his system, there is no need to store the hydrogen as it is produced on demand. His detailed response was ignored.

In 1989, after information about the generator was presented at a United Nations Environmental Conference, Pacheco was invited to exhibit a prototype in Canada at the Green Energy Conference. Subsequently, he was asked to participate in the International Hydrogen Energy Conference held in Hawaii in 1990. Encouraged by the interest from several scientists, he applied for the new patent which he received in February.

Though the history of his technology is most intriguing, its future is more important. Its potential as a clean, renewable, and safe energy source represents long sought solutions for the environmental degradation caused by existing energy sources. Although Mr. Pacheco has been discouraged and frustrated in his efforts to bring this technology to the people, he remains focussed and committed. He strongly believes in the words of an old wise man who once told him, "Son, God put on your shoulders something very big, do not ask yourself - why me, think, why not me."

RECOMMENDED FOR SUBSCRIBING:-

**SPACE ENERGY ASSOCIATION, PO BOX 11422,
CLEARWATER, FL., 34615. USA TEL: 813 442 3923**

**JOURNAL OF BORDERLAND SCIENCES, PO BOX 429,
GARBERVILLE, CA., 95440-0429. USA. TEL: 707 986 7211**

**EXTRAORDINARY SCIENCE, PO BOX 5636, SECURITY, CO.
80931 USA. TEL: 800 397 0137, FAX: 719 475 0582**

**ELECTRIC SPACECRAFT JOURNAL, PO BOX 18387,
ASHEVILLE, NC 28814. USA. TEL: 704 252 8083**

**RAUM & ZEIT, PO BOX 1508, MOUNT VERNON, WA.
98273. USA. TEL: 206 424 6034. FAX: 206 424 6029**

**TUNING IN MAGAZINE, PO BOX 255, IVANHOE, VIC.
3079. AUSTRALIA.**

AN OPEN LETTER TO ALL WORKING ON ALTERNATE ENERGY

November 1, 1991

Paul Brown
309 S. McLoughlin Blvd.,
Oregon City, OR 97045 USA

Greetings,

I have been involved with alternate energy research since 1978 while still a college student. Over the years I have heard many nightmare stories about people who developed something significant only to be persecuted, harassed, prosecuted and even killed. I was sure that these stories were exaggerated or possibly the result of the inventor's own paranoia or such. Further, I met several inventors whom I felt were their own worst enemies which confirmed my beliefs.

As time went on, about 1982, I became involved in work of some significance and received some minor criticism and scepticism that I found to be beneficial as well as practical, but no death threats or any of the other forms of persecution. I built experimental devices, learned things unavailable from books, filed for patents and in general felt very satisfied with my life, society and the scientific system.

However, things began to change, slowly and unalarmingly. The more success I had in my endeavours, the more I began to attract dishonest and greedy people (I know this now, but was unaware of it then). My life became more uncomfortable as time went on but I was not sure of the problem.

In 1987, we decided it was time to let the world know what we were working on and the results we were getting. It was a proud time for me. I thought we were doing the right thing. But this was the real beginning of the worst.

Since that February 1987, I or my company have been persecuted by the State Department of Health; then the Idaho Department of Finance filed a civil complaint against the company and myself; my license for handling radioactive materials was then suspended for 6 months; I began to receive threats (ie: "We will bulldoze your home with your family in it"); securities fraud charges were then filed against my company and myself; then investigation by the Oregon Department of Finance; then the tax man; then the Securities Exchange Commission; my wife was assaulted; I lost control of my company; my home was robbed three times and vandalized on four other occasions; twice now I have been accused of drug manufacturing; I lost my home; most recently, my mother's car was pipe-bombed. With each hardship I strive harder toward successful development of the technologies under my endeavour. But it only seems to get worse.

Someone once said, "Paranoia is only a heightened sense of awareness." He was right! It is hard for the average guy to comprehend these disasters happening to select people. I am here to tell you it is not coincidence. I now understand why some inventors drop out from society.

My advice to you is keep a low profile until you have completed your endeavour; be selective in choosing your business partners; protect yourself and your family; know that the nightmare stories are true.

R.E. McMaster elegantly summarizes the character of the suffering scientist (The Reaper, Vol. 15, #36, 9-4-91), *"The history of science and technology, the history of significant breakthroughs for mankind, which has launched him into new eras, is the history of 'tinkerers', of private individuals who have sacrificed their lives, time, money, reputations and families to research and experiment in their garages and basements in search of truths, the applications of which in their hearts they know exist ... These are the men of passion, of character and professionalism-great minds, holistic and synergistic minds, blessed with hands-on mechanical skills, working to bring scientific theory and concept into practical, working useful, productive technology.*

These are the men whom a life, love, liberty, law, light-oriented, long-term biased society would lift up. Unfortunately, the character of the modern world is just the opposite of these six 'L's'. And so much men suffer, are persecuted by the government and culture-at-large. They scramble for funds, are abandoned by their families, suffer the ridicule of their colleagues, are forced to stuff their thoughts and keep their mouths shut. They are lonely. And yet, they drive on in their relentless pursuit of truth to make this scientifically and technologically a better world.

There is something about the non-stop pain of long-term suffering which humbly grounds a man in reality. Under such continuous pressure, men break and either become bitter or better. They neither have the time nor the interest in the air heads who are wrapped up in the materialism, conflict and leisure orientation of today's world. Nor do they belong to the group of intellectual acid-heads who read books, gather facts, and are ever learning and talking, but do not have the hands-on skills or the hearts to help their friends and fellow man when the need arises. Rather, such men are the point men, leading the dangerous platoon of life. They are self-assured and have few good, reliable friends. These are the men who challenge the new frontiers and the old order to make a better tomorrow. These are the loners who have been persecuted by both industry and government, who have endured grave injustices in search of scientific truth."

God speed, Good Luck in your endeavours and Never lose The Faith.

Sincerely,

Paul Brown
(800) 528 0559

JUNE-JULY 1992

NEXUS•